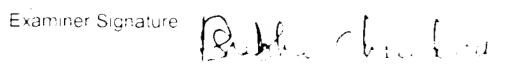
| | | I P | Sheet _ | 1 配1 | <u> 3</u> |
|--------------------------------------|--|------------------------------------|----------------------------|-------|------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 11635-005001 | Application No. 09x853,343 | | AX |
| by Ap | closure Statement | Applicant Bradley et a | 4 2002 | | 5 : |
| (Use several sr (37 CFR §1.98(b)) | neets if necessary) | Filing Date May 10, 2001 RADI | EMA 1656 | 062.0 | |

| | | | U.S. Pate | ent Documents | | | . – |
|---------------------|--------------|------------------|------------|---------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| Spc | AA | 5,851,769 | 12 22 98 | Joe W. Gray, et al. | 435 | 6 | |
| | AB | | | | | | |

| | Foreig | n Patent Doo | cuments or F | Published Foreign | Patent A | Application | าร | |
|----------|--------|--------------|--------------|-------------------|----------|-------------|-------|--------|
| Examiner | Desig. | Document | Publication | Country or | | • | Trans | lation |
| Initial | ID | Number | Date | Patent Office | Class | Subclass | Yes | No |
| 8pc | AC | WO 99 57323 | 11-11-99 | PCT | | | | |
| | AD | | | | | | | |

| | Other Documents (include Author, Title, Date, and Place of Publication) | | | | | | | |
|---------------------|---|--|--|--|--|--|--|--|
| Examiner Initial | Desig. ID | Document | | | | | | |
| Ste | AE | Kumar, et al., Silanized nucleic acids: a general platform for DNA immobilization, Nucleic Acids Res. (2000), Vol. 28, No. 14, E71, II-VI, XP002188992 | | | | | | |
| SP | AF | Li, Minqian, et al., Method for manufacturing DNA chips with large immobilized DNA fragments" Shanghai Inst. Of Atomic Nucleus, Chinese Academy of Sciences, Peop. R) 1/26/2000, XP002189763 | | | | | | |
| | AG | | | | | | | |
| | АН | | | | | | | |

A Martine Control of the Control of th



Date Considered

| | Substitute Form (Modified) | n PTO-1449 | U.S. Department of Commerce Patent and Trademark Office |
|---|----------------------------|--------------|--|
| > | E Jo Inf | ormation Dis | closure Statement |
| 7 | 8 2001 W | | pplicant neets if necessary) |

Application No. Attorney's Docket No. 11635-005001 09/853,343 Applicant

Bradley et al. Filing Date Group Art Unit May 10, 2001 1645

| Other Documents | (include Author | , Title, Date, | and Place of | Publication) |
|-----------------|-----------------|----------------|--------------|--------------|

| | Othici D | Ocuments (include Adtitor, Title, Date, and Flace of Fublication) |
|----------|------------|---|
| Examiner | Desig. | |
| Initial | ID | Document |
| 8Pc | AS | Bertucci, et al., "Sensitivity issues in DNA array-based expression measurements and performance of nylon microarrays for small samples", Hum Mol Genet 1999 Sep; 8(9):1715-22 |
| | AT | Zhao, et al., "High-density cDMA filter analysis: a novel approach for large-scale, quantitative analysis of gene expression", Gene 1995 Apr 24; 156(2):207-13 |
| | AU | Kern, et al., "Direct hybridization of large-insert genomic clones on high-density gridded cDNA filter arrays", Biotechniques 1997 Jul; 23(1):120-4 |
| | $A\bar{V}$ | DeRisi, et al., "Genomics and array technology", Current Opinion Oncology 1999 Jan; 11(1):76-9 |
| | AW | DR Walt, "Techview: molecular biology. Bead-based fiber-optic arrays." Science 2000 Jan 21:287(5452):451-2 |
| | AX | Mark Schena, "Microarray Biochip Technology", Harcover January 2000 Eaton Pub Co.; ISBN: 1881299376 |
| | AY | Yan, et al., "CpG Island Arrays: An Applicatin toward Deciphering Epigenetic Signatures of Breast Cancer", Clinical Cancer Research April 2000; Vol. 6, No. 4, 1432-1438 |
| | AZ | Huang, et al., "Methylation profiling of CpG islands in human breast cancer cells", Human Molecular Genetics, 1999, Vol. 8, No. 3m 459-470 |
| | ААА | J. P. Issa, "CpG-Island Methylation in Aging and Cancer", Current Topics in Microbiology and Immunology, 249, pp. 101-118 |
| | ABB | Pfeifer, et al., "Mutation Hotspots and DNA Methylation", Current Topics in Microbiology and Immunology, 249, pp. 1-19 |
| | ACC | Eads, et al., "MethyLight: a high-throughput assay to measure DNA methylation", Nucleic Acids Research, 2000 Vol. 28, No. 8 E32-00 |
| | ADD | Pogribny, et al., "A Sensitive New Method for Rapid Detection of Abnormal Methylation Patterns in Global DNA and within CpG Islands", Biochemical and Biophysical Research Communications 262, 624-628 (1999) |
| | AEE | Edward J. Oakeley, "DNA methylation analysis: a review of current methodologies", Pharmacology & Therapeutics, Vol. 84, No. 3, December 1999, pp. 389-400 |
| | AFF | Robertson, et al., "DNA methylation: past, present and future directions", Carcinogenesis, Vol. 21, No. 3, March 2000, pp. 461-467 |
| | AGG | Sapolsky, et al., "High-throughput polymorphism screening and genotyping with high-density oligonucleotide arrays", Genetic Analysis Biomolecular Engineering, Vol. 14, Nos. 5-6, Feb 1999, 187-192 |
| | АНН | Emerson, et al., "LXIII Cold Spring Harbor Symposium on Quantitative Biology: Mechanisms of Transcription, Biochimica et Biophysica Acta 1423 (1998) R45-R51 |

Examiner Signature Brasha hemdinu

Date Considered

2/28/02-

SEP 2 8 2001

Substitute Form PtO-1449 (Modified)

US. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 11635-005001

Application No. 09/853,343

| Substitute For (Modified) | 13 | ېر Pate | epartment of Commerc nt and Trademark Offic | | | (19/853,34) | | | |
|---------------------------|--------|--------------------------------|--|--|-------|-------------|---------------------------------|--|--|
| In | | า Disclosure S by Applicant | | Applicant Bradley et al. | | | | | |
| (37 CFR §1.98 | | veral sheets if nece | ssary) | Filing Date Group Art Unit May 10, 2001 1645 | | | nit Change | | |
| | | | U.S. Pater | nt Documents | | | 60, | | |
| Examiner Initial | Desig. | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date Co. If Appropriate | | |
| gre | AA | 5,472,842 | 12 05.95 | Stokke, et al. | 435 | 6 | | | |
| | AB | 5,665,549 | 09/09/97 | Pinkel, et al. | 435 | 6 | | | |
| | AC | 5,830,645 | 11/03/98 | Pinkel, et al. | 435 | 6 | | | |
| | AD | 5,965,362 | 10/12/99 | Pinkel, et al. | 435 | 6 | | | |
| | AE | 5,976,790 | 11/02/99 | Pinkel, et al. | 435 | 6 | | | |
| \downarrow | AF | 6,077,673 | 06/20/00 | Chenchik, et al. | 435 | 6 | | | |

| | Foreig | n Patent Do | cuments or F | ublished Foreign | Patent A | Application | าร | |
|----------|--------|-------------|--------------|------------------|----------|-------------|-------|--------|
| Examiner | Desig. | Document | Publication | Country or | | | Trans | lation |
| Initial | ID | Number | Date | Patent Office | Class | Subclass | Yes | No |
| SPC | AG | 99/09218 | 02/25/99 | WO | | | | |
| Spe | AH | 99/13319 | 03/18/99 | WO | | | | |

| | Other Documents (include Author, Title, Date, and Place of Publication) | | | | | | | |
|----------|---|---|--|--|--|--|--|--|
| Examiner | Desig. | | | | | | | |
| Initial | ID | Document | | | | | | |
| 8Pc | AI | Kern, et al., "Direct Hybridization of Large-Insert Genomic Clones on HIgh-Density Gridded cDNA Filter Arrays", BioTechniques 23:120-124, July 1997 | | | | | | |
| | AJ | Rice, et al., "Comparative Genomic Hybridization in Pediatric Acute Lymphoblastic Leukemia", Pediatric Hematology and Oncology, 17:141-147, 2000 | | | | | | |
| | AK | Kim, et al., "Putative Chromosomal Deletions on 9P, 9Q and 22Q Occur Preferentially in Malignan Gastrointestinal Stromal Tumors", Int. J. Cancer; 85, 633-638 (2000) | | | | | | |
| | AL | Houldsworth, et al., "Comparative Genomic Hybridization: An Overview", American Journal of Pathology, Vol. 145, No. 6, December 1994 | | | | | | |
| | AM | Wa'el Fi-Rital, et al., "High-Resolution Deletion Mapping of Chromosome 14 in Stromal Tumors of the Gastrointestinal 14 in Stromal Tumors of the Gastrointestinal Tract Suggests Two Distinct Tumor Suppressor Loci", Genes, Chromosomes & Cancer 27:387-391 (2000) | | | | | | |
| | AN | David J. Stewart, "Making and Using DNA Microarrays: A Short Course at Cold Spring Harbor Laboratory", Genome Research, www.genome.org | | | | | | |
| | AO | Suzuki, et al., "Construction and evaluation of a porcine bacterial artificial chromosome library", Anim Genet 2000 Feb; 31(1): 8-12 | | | | | | |
| | AP | Schena, et al., "Quantitative monitoring of gene expression patterns with a complementary DNA microarray". Science 1995 October 20: 270 | | | | | | |

Examiner Signature

Brabba Chumdenus

Date Considered

8/24/02.